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Sheet 1

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known			
Application Number	10/797,807		
Filing Date	03/10/2004		
First Named Inventor	DALSON YE SENG KIM		
Art Unit	2811		
Examiner Name			
Attomey Docket Number	02-1467.1		

			U. S. PATEN	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (f known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
VR	A	US- 6,373,447 B1	04/16/2002	Rostoker et al.	
7	В	^{US-} 6,451,624 B1	09/17/2002	Farnworth et al.	
	С	us- 6,501,165 B1	12/31/2002	Farnworth et al.	
- - 	D	US- 6,589,810 B1	07/08/2003	Moden	
KR	E	^{US-} 6,638,792 B2	10/28/2003	Hui et al.	
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Examiner Initials*	Cite No.1	FORE Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
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Complete if Known Application Number 10/797,807 Filing Date 03/10/2004 First Named Inventor DALSON YE SENG KIM Art Unit 2811 Examiner Name Attorney Docket Number 02-1467.1

				DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
KK	Α	^{US-} 2002/0068379	06-06-2002	Cobbley et al.	
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		FORE	IGN PATENT DOCU	MENTS		
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INFORMATION DISCLOSURE **STATEMENT BY APPLICANT**

Complete if Known Application Number 10/797,807 Filing Date 03/10/2004 First Named Inventor DALSON YE SENG KIM Art Unit **Examiner Name**

(Use as many sheets as necessary)

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Sheet 1

Attorney Docket Number 02-1467.1

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KR	Α	us- 5,596,225	01-21-1997	Mathew et al.	
	В	^{US-} 5,684,328	11-4-1997	Jin et al.	
KR	С	us- 2002/0195691 A1	12-26-2002	Schoenfeld	
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Substitute for form 1449/PTO	Complete if Known		
	Application Number		
INFORMATION DISCLOSURE	Filing Date	03/10/2004	
	First Named Inventor	DALSON YE SENG KIM	
STATEMENT BY APPLICANT	Art Unit		
(Use as many sheets as necessary)	Examiner Name		

Attorney Docket Number

Sheet 1

			U. S. PATEN	TOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (Flower)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
VK.	Α	us- 4,210,926 .	07/01/1980	Hacke	т ідшез Афреат
	В	^{US-} 5,397,921	03/14/1995	Karnezos	
	С	^{US-} 5,409,865	04/25/1995	Karnezos	•
	D	^{US-} 5,420,460	05/30/1995	Massingill	
	Ε	^{US-} 5,581,226	12/03/1996	Shah	
	F	^{US-} 5,663,593	09/02/1997	Mostafazadeh et al.	
	G	^{US-} 5,866,939	02/02/1999	Shin et al.	
	Н	^{US-} 5,898,220	04/27/1999	Ball	
	1	^{US-} 5,969,416	10/19/1999	Kim	
	J	^{US-} 5,973,393	10/26/1999	Chia et al.	
	Κ	^{US-} 5,976,912	11/02/1999	Fukutomi et al.	
\perp	L	^{US-} 6,028,356	02/22/2000	Kimura	
	М	^{US-} 6,064,111	05/16/2000	Sota et al.	
	N	us- 6,083,776	07/04/2000	Manteghi	
	0	us- 6,114,760	09/05/2000	Kim et al.	
	Р	us- 6,181,000 B1	01/30/2001	Ooigawa et al.	
	Q	^{US-} 6,187,612 B1	02/13/2001	Orcutt	
1	R	^{US-} 6,228,683 B1	05/08/2001	Manteghi	
KR.	S	^{US-} 6,310,390 B1	10/30/2001	Moden	

		FORE	IGN PATENT DOCU	MENTS		
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines,	Г
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Translation is attached.

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Substitute for form 1449/PTO	Co	mplete if Known
Substitute for form 1449/P10	Application Number	
INFORMATION DIGGLOCULO	Filing Date	03/10/2004
INFORMATION DISCLOSURI	Litar Mantier in Action	DALSON YE SENG KIM
STATEMENT BY APPLICAN	Art Unit	
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Shoot 2 of 3	Attorney Docket Number	02-1467.1

Examiner	Cite	I Document Humber 1 -	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevan Figures Appear
initials*	No.1		MM-DD-YYYY	Applicant of Cited Document	
KK	T	^{US-} 6,310,390 B1	10/30/2001	Moden	
	U	^{US-} 6,337,510 B1	01/08/2002	Chun-Jen et al.	
	V	US- 2002/0031902A1	03/14/2002	Pendse et al.	
	W	^{US-} 6,359,221 B1	03/19/2002	Yamada et al.	
	X	^{US-} 6,415,977 B1	07/09/2002	Rumsey	
	Υ	^{US-} 6,465,877 B1	10/15/2002	Farnworth et al.	
	Z	^{US-} 6,506,625 B1	01/14/2003	Moden	
	AA	^{US-} 6,507,114 B2	01/14/2003	Hui .	
1	AB	^{US-} 6,521,483 B1	02/18/2003	Hashimoto	
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Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ "Kind Code ³ (if known)	PATENT DOCU Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	78
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		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Т
	AE	MASASUMI AMAGAI, "Chip-Scale Packages for Center-Pad Memory Devices", CHIP SCALE BEVIEW, May 1998, pgs 68-72.	
	AF	MASASUMI AMAGAI, "CSP with Flexible Substrates-Packaging Process", CHIP SCALE REVIEW, May, 1998, pgs 73-77.	
KR	AG	US Patent Application Serial No. 10/136,186, filed May 1, 2002.	

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